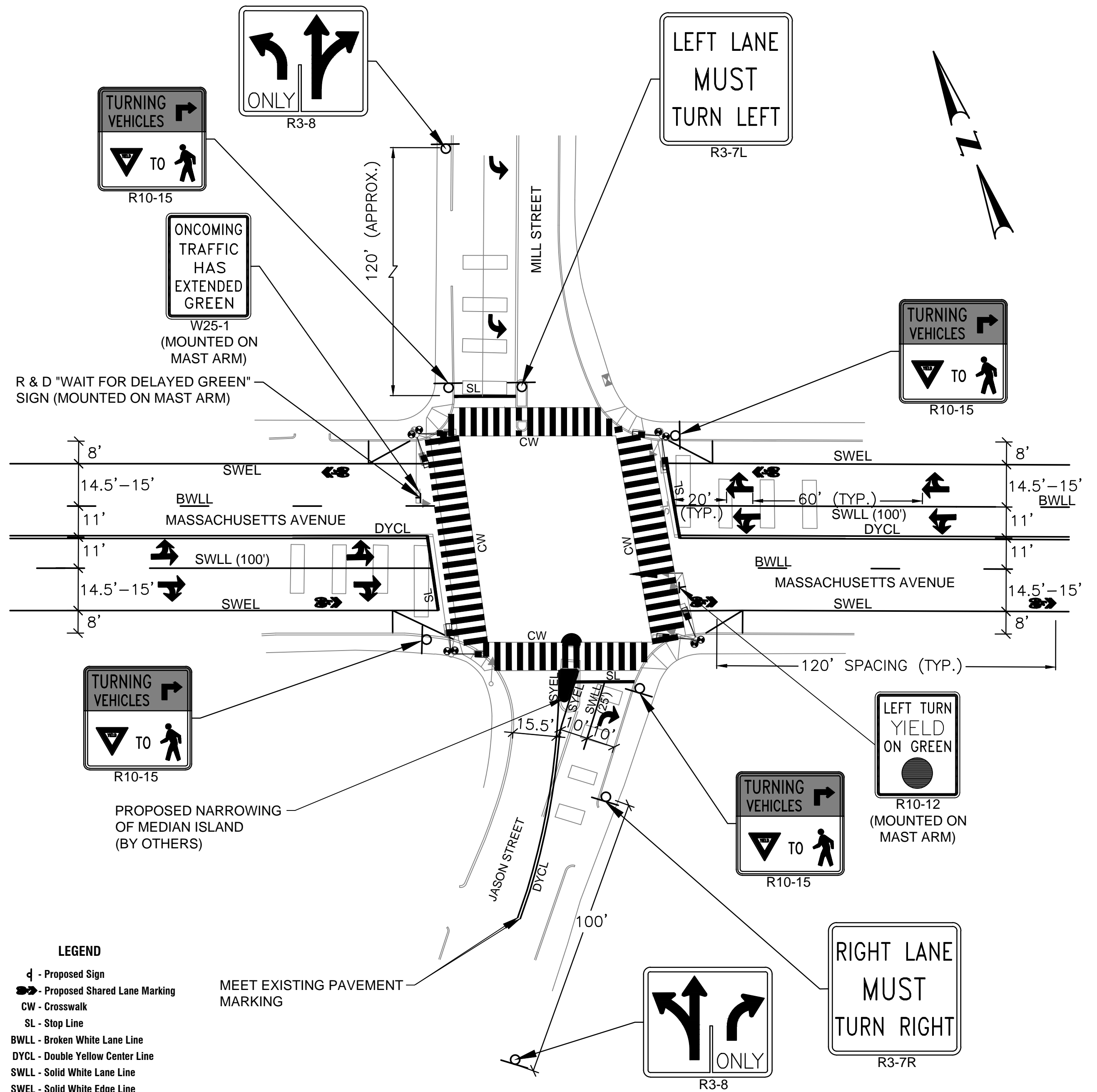


QUANTITY	DESCRIPTION
1	TS-2 (TYPE 2) TRAFFIC SIGNAL CONTROLLER
1	SIGNAL HEAD, 1-WAY, 4 SECTION, 12" LENSES
8	PEDESTRIAN SIGNAL HEAD, 2 SECTION, LED, 12" LENSES
8	PEDESTRIAN PUSH BUTTON ASSEMBLY, SIGN, AND SADDLE WITH AUDIBLE PEDESTRIAN INDICATIONS

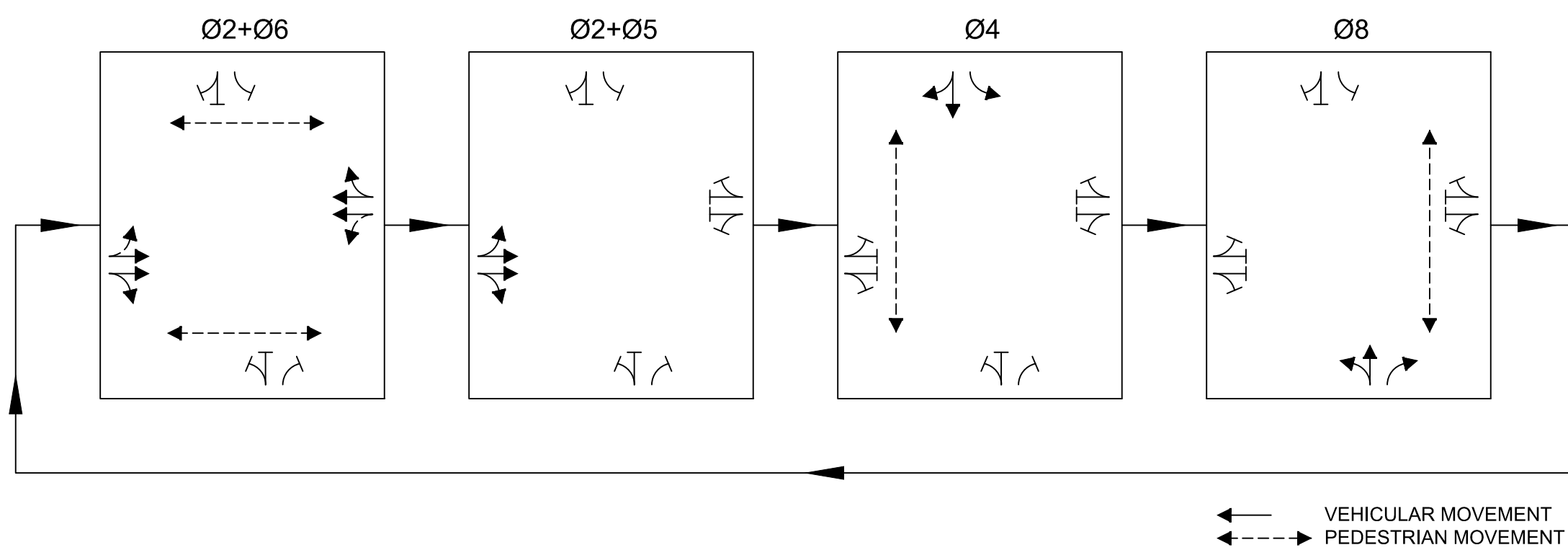


PAVEMENT MARKING AND SIGNAGE LAYOUT
NOT TO SCALE

SEQUENCE & TIMING FOR FULLY ACTUATED CONTROL AT JASON STREET AND MILL STREET			INTERVALS															FLASHING OPERATION
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
MASSACHUSETTS AVENUE	EB	A	G	Y	R	R	R	R	R	←G-	←Y-	R	R	R	R	R	R	FY
	EB	B	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	FY
MILL STREET	WB	C,D	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	FY
	SB	E,F	R	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	FR
JASON STREET	NB	G,H	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	FR
PEDESTRIAN	NB-SB	P1,P2	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	W	FDW	DW	OUT
	EB-WB	P3,P4	W	FDW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	OUT
	NB-SB	P5,P6	DW	DW	DW	W	FDW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	OUT
	EB-WB	P7,P8	DW	DW	DW	DW	DW	DW	DW	DW	W	FDW	DW	DW	DW	DW	DW	OUT
TIMING IN SECONDS																		EMERGENCY ONLY
MINIMUM GREEN			4			4			4			4			4			
MAX GREEN 1			68			43			4			59			24			
MAX GREEN 2			64			29			4			55			32			
VEHICLE EXTENSION			2			2			2			2			2			
YELLOW CLEARANCE				4			4			4			4			4		
RED CLEARANCE					1			1			4		1				1	
PED WALK INTERVAL			6			6						6			6			
PED CLEARANCE INTERVAL				18			18					18			18			
DETECTION (MEMORY)																		
RECALL				LOCK SOFT		NON-LOCK OFF		LOCK MIN		LOCK SOFT		NON-LOCK OFF						

- SIGNAL TIMING AND PHASING NOTES:**
1. MAXIMUM GREEN 1 SHALL BE IN EFFECT ON WEEKDAYS FROM 6:30AM TO 9:30AM.
 2. MAXIMUM GREEN 2 SHALL BE IN EFFECT ALL OTHER TIMES.
 3. A 4 SECOND LEAD PEDESTRIAN INTERVAL WILL BE PROVIDED ON ALL PEDESTRIAN PHASES TO ALLOW PEDESTRIANS TO SAFELY ENTER THE CROSSWALK BEFORE VEHICLES RECEIVE A GREEN INDICATION.

- GENERAL NOTES:**
1. NEW TS-2 (TYPE 2) TRAFFIC SIGNAL CONTROLLER WILL REPLACE THE EXISTING TS-1 TRAFFIC SIGNAL CONTROLLER IN THE SIGNAL CABINET.
 2. ALL OTHER SIGNAL EQUIPMENT WITHIN THE CABINET WILL BE RETAINED.
 3. NEW PEDESTRIAN SIGNALS WILL PROVIDE COUNTDOWN TIME DISPLAYS DURING THE "FLASHING UPRAISED HAND" INDICATION.
 4. ALL NEW PEDESTRIAN SIGNALS MUST BE IN ACCORDANCE WITH THE NATIONAL COOPERATIVE HIGHWAY RESEARCH PROGRAM (NCHRP) GUIDELINES FOR ACCESSIBLE PEDESTRIAN SIGNALS, NCHRP PROJECT 3-62 (2007).
 5. EXISTING PEDESTRIAN PUSH BUTTON ASSEMBLIES WILL BE REMOVED AND DISCARDED.
 6. TWO NEW PEDESTRIAN PUSH BUTTON ASSEMBLIES WILL BE PROVIDED AT EACH CORNER TO ALLOW FOR INDEPENDENT ACTIVATIONS OF CONCURRENT PEDESTRIAN PHASING.
 7. ALL EXISTING SIGNAL POSTS AND MAST ARMS WILL BE RETAINED.
 8. EXISTING OPTICAL EMERGENCY VEHICLE PRE-EMPTION SYSTEM TO BE RETAINED.



PREFERENTIAL SEQUENCE DIAGRAM

ARLINGTON, MASSACHUSETTS		
IMPROVEMENTS ON MASSACHUSETTS AVENUE		
TRAFFIC SIGNAL PLAN MASSACHUSETTS AVENUE AT MILL STREET / JASON STREET		
GREEN INTERNATIONAL AFFILIATES, INC. CIVIL & STRUCTURAL ENGINEERS WESTFORD, MASSACHUSETTS		
SCALE: N/A	DATE: 5/7/2014	PROJECT NO. 13092
APPROVED: _____	DESIGNED BY: JSS DRAWN BY: YC CHECKED BY: JSS	PLAN NO. 1 OF 1